INTERNATIONAL SEARCH REPORT

International Application No PCT/EP2004/052402

A. CLASSIFI IPC 7	ICATION OF SUBJECT MATTER E21B43/10 E21B23/01 E21	B17/10	E21B33/128		
	International Patent Classification (IPC) or to both national	l classification a	nd IPC		
B. FIELDS S					
Minimum doc	cumentation searched (classification system followed by c	lessification sym	bols)		
	E21B				
Documentati	on searched other than minimum documentation to the ex	tent that such do	cuments are included in the fields a	searched	
Electronic da	ata base consulted during the international search (name	of data base and	, where practical, search terms use	od)	
EPO-Int	terna1				
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT				
Category °	Citation of document, with indication, where appropriate	, of the relevant	passages	Relevant to claim No.	
X	WO 03/008760 A (SHELL CANAD MARTIN GERARD RENE (NL); CO 30 January 2003 (2003-01-30 page 8, line 31 - page 9, 1 figures 1A-1C,3A-3C	RNELISSEN)	OSMA I ERIK)	1-4, 13-15	
A	WO 03/006789 A (SHELL CANAD MICHAEL EDWARD (NL); SHELL 23 January 2003 (2003-01-23 abstract figures 1-4	INT RESEA	DINTING ARCH)	1	
А	US 2002/092658 A1 (JOHNSON 18 July 2002 (2002-07-18) paragraphs '0050!, '0076! figures 6A,6B,20	CRAIG D	ET AL)	1	
	rther documents are listed in the continuation of box C.		Patent family members are list	ed in annex.	
Special categories of cited documents: A document defining the general state of the art which is not considered to be of particular relevance.			*T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention		
"E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another			 "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to hyolve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention 		
'O" docui	ion or other special reason (as specified) ment referring to an oral disclosure, use, exhibition or or means	,	cannot be considered to involve a document is combined with one or ments, such combination being of in the art.	n inventive step when the r more other such docu-	
'P' docur later	ment published prior to the international filing date but r than the priority date claimed	*&*	document member of the same par		
Date of th	e actual completion of the international search		Date of mailing of the international	search report	
	3 January 2005		11/01/2005		
Name and	d mailing address of the ISA European Patent Office, P.B. 5818 Patentiaan 2		Authorized officer		
	NL - 2280 HV Rijswijk Tel. (+31-70) 440-2040, Tx. 31 651 epo nl, Fay: (-31-70) 340-3016		Schouten, A		

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.2

Claims Nos.: 16

Claim 16 contains a reference to the drawings. According to Rule 6.2(a) PCT, claims should not contain such references except where absolutely necessary, which is not the case here.

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.



Box II Observations where certain claims were found unsearchable (Continuation of Item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2. X Claims Nos.: 16 because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful international Search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of Item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this international Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the Invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

Form PCT/ISA/210 (continuation of first sheet (2)) (January 2004)

INTERNATIONAL SEARCH REPORT

information on patent family members

interional Application No					
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